

780 CMR 76.00

GENERAL PLUMBING REQUIREMENTS

**780 CMR 7601 JURISDICTION**

*7601.1 Fuel Gas and Plumbing Code. The “Fuel Gas and Plumbing Code” in Massachusetts is 248 CMR; otherwise the structural and piping protection requirements of 780 CMR 7602 apply.*

**4780 CMR 7602 STRUCTURAL AND PIPING PROTECTION**

**7602.1 General.** In the process of installing or repairing any part of a plumbing and drainage installation, the finished floors, walls, ceilings, tile work or any other part of the building or premises that must be changed or replaced shall be left in a safe structural condition in accordance with the requirements of the building portion of 780 CMR 51.00 through 99.00

**7602.2 Drilling and Notching.** Wood-framed structural members shall not be drilled, notched or altered in any manner except as provided in 780 CMR 7502.6, 7602.5, 7602.6.

**7602.2.1 Protection against Physical Damage.**  
In concealed locations, where piping, other than cast-iron or galvanized steel, is installed through holes or notches in studs, joists, rafters or similar members less than 1.5 inches (38 mm) from the nearest edge of the member, the pipe shall be protected by shield plates. Protective shield plates shall be a minimum of

0.062-inch-thick (1.6 mm) steel, shall cover the area of the pipe where the member is notched or bored and shall extend a minimum of two inches (51 mm) above sole plates and below top plates.

**7602.3 Breakage and Corrosion.** Pipes passing through or under walls shall be protected from breakage. Pipes passing through concrete or cinder walls and floors, cold-formed steel framing or other corrosive material shall be protected against external corrosion by a protective sheathing or wrapping or other means that will withstand any reaction from lime and acid of concrete, cinder or other corrosive material. Sheathing or wrapping shall allow for expansion and contraction of piping to prevent any rubbing action. Minimum wall thickness of material shall be 0.025 inch (0.64 mm).

**7602.4 Sleeves.** Annular spaces between sleeves and pipes shall be filled or tightly caulked as approved by the building official. Annular spaces between sleeves and pipes in fire-rated assemblies shall be filled or tightly caulked in accordance with this the building portion of 780 CMR 51.00 through 59.00.

**7602.5 Pipes through Footings or Foundation Walls.** Any pipe that passes under a footing or through a foundation wall shall be provided with a relieving arch; or there shall be built into the masonry wall a pipe sleeve two pipe sizes greater than the pipe passing through.

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